



FIG. 1

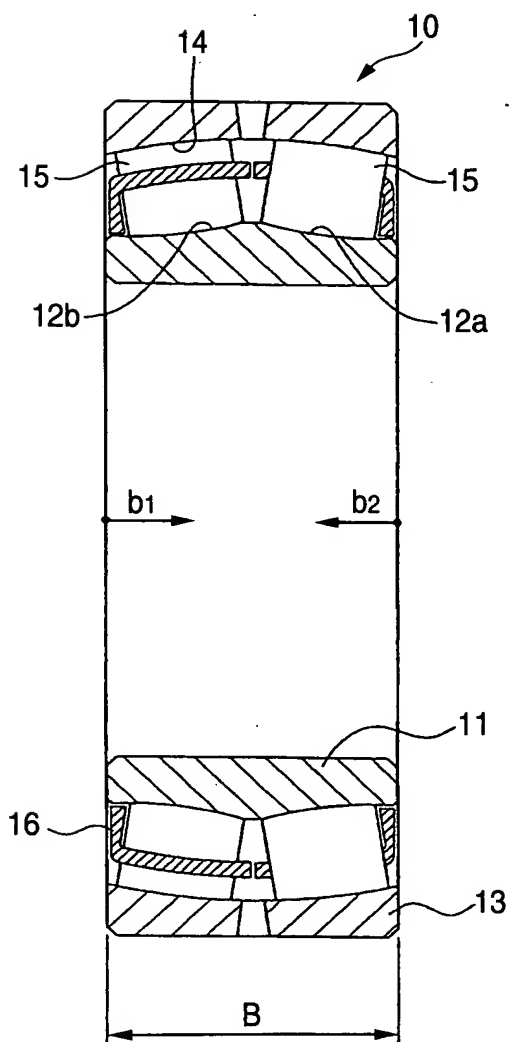




FIG. 2

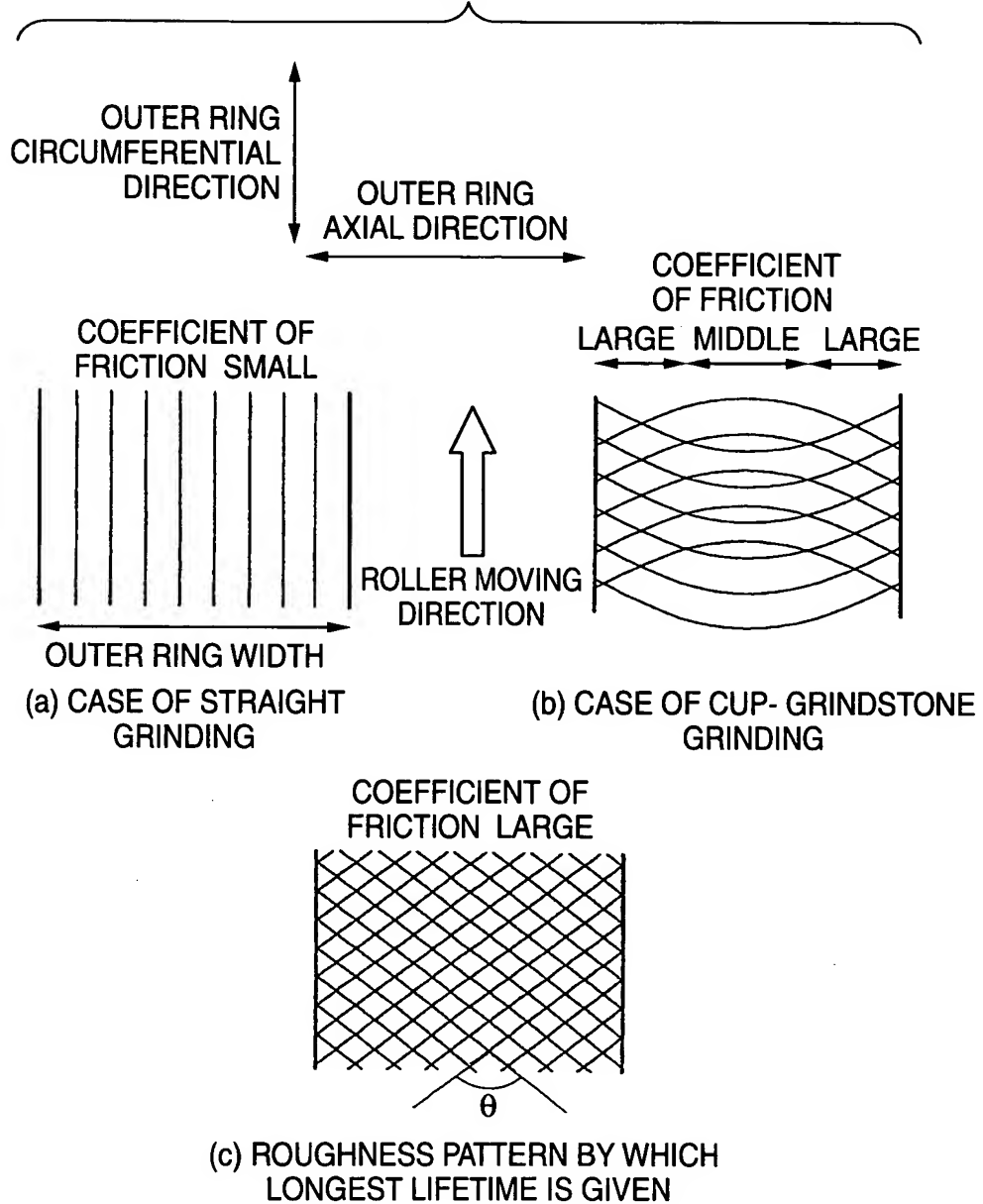




FIG. 3

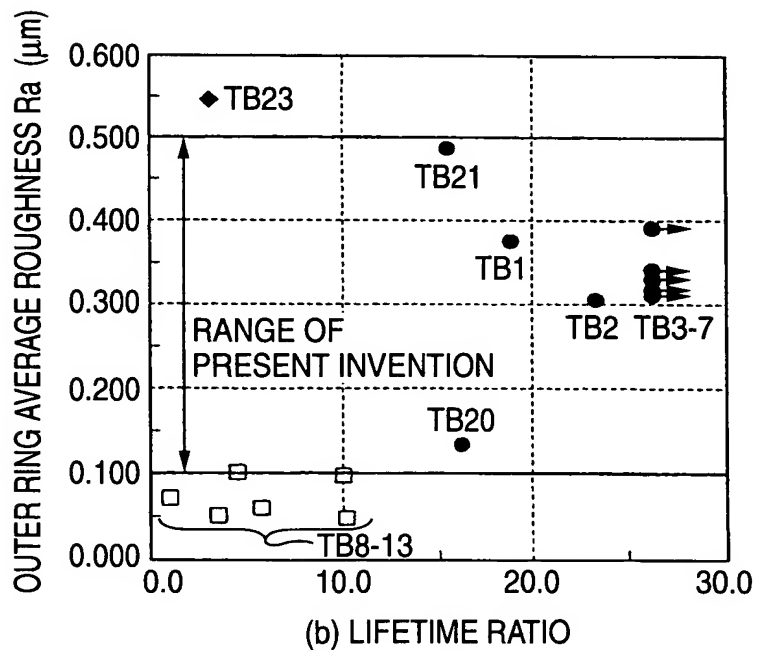
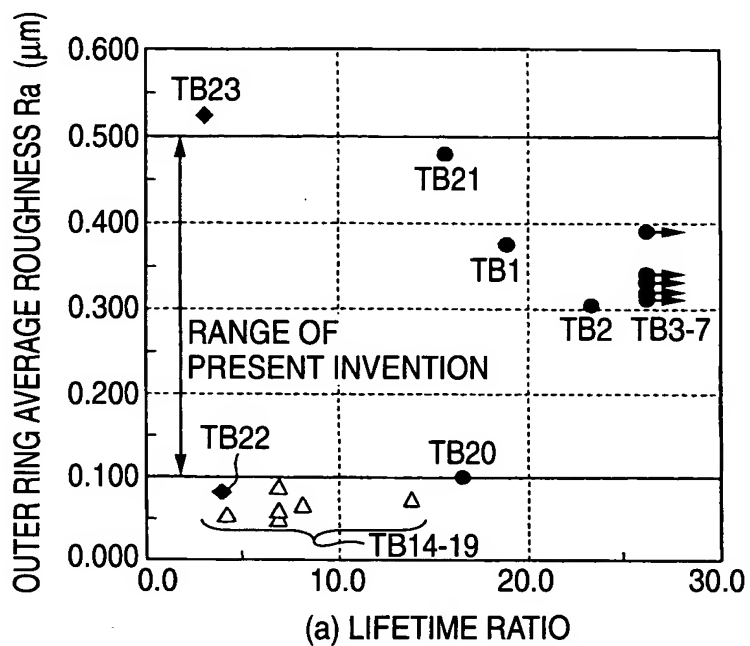
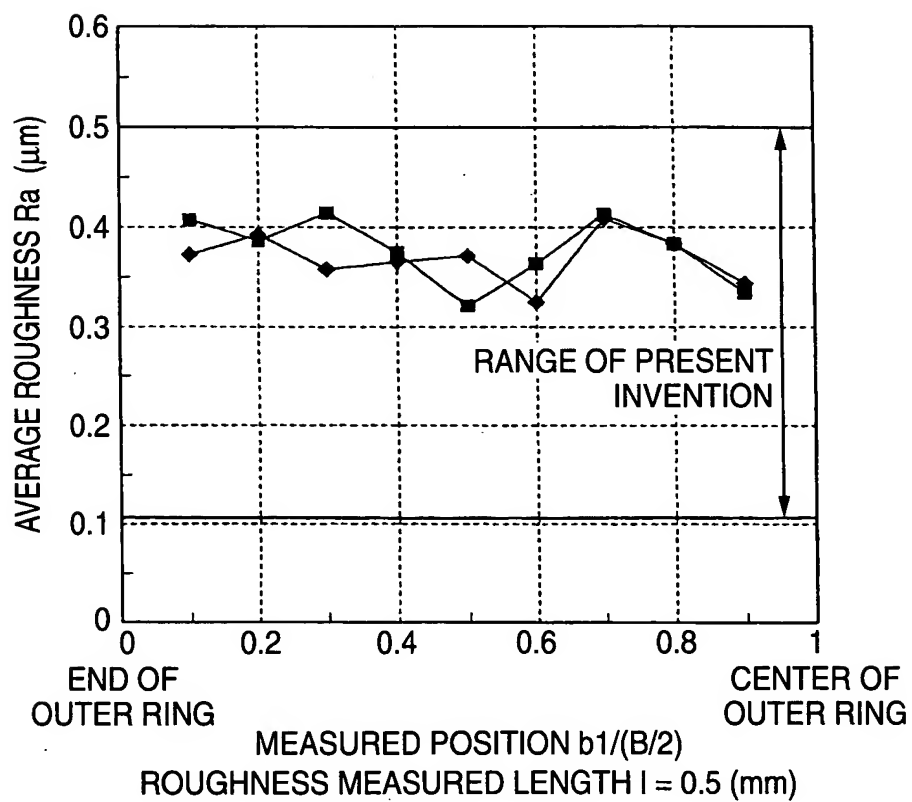




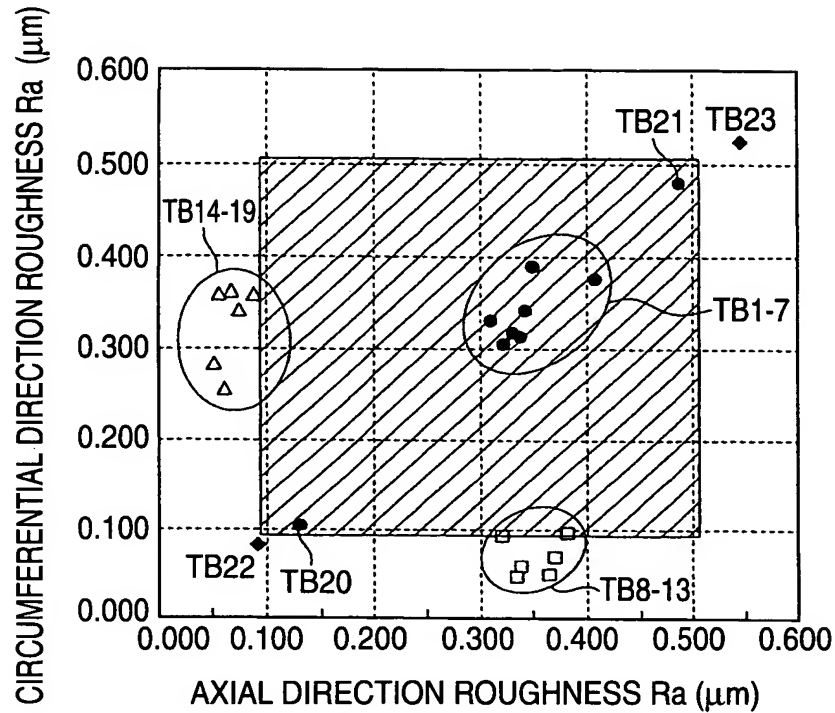
FIG. 4



- ◆— : ROUGHNESS IN OUTER RING AXIAL DIRECTION
- : ROUGHNESS IN OUTER RING CIRCUMFERENTIAL DIRECTION



FIG. 5



ROUGHNESS MEASURING CONDITIONS

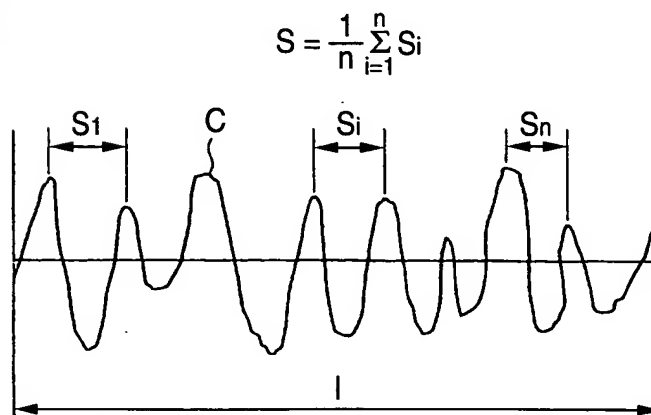
MEASURED LENGTH $l = 0.5 \text{ mm}$

MEASURED LOCATIONS

OUTER RING AXIAL DIRECTION: $b_1 / (B/2) = 0.7$

OUTER RING CIRCUMFERENTIAL DIRECTION: $b_1 / (B/2) = 0.4$

FIG. 6





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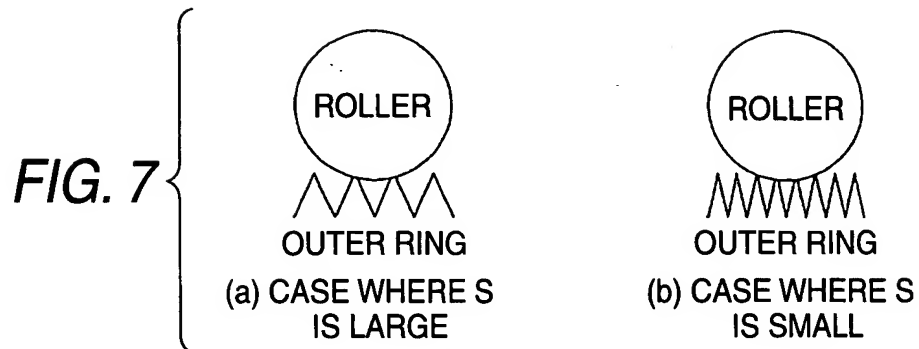


FIG. 8

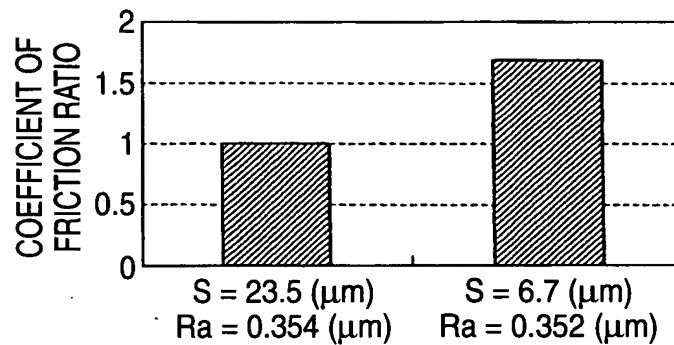


FIG. 9

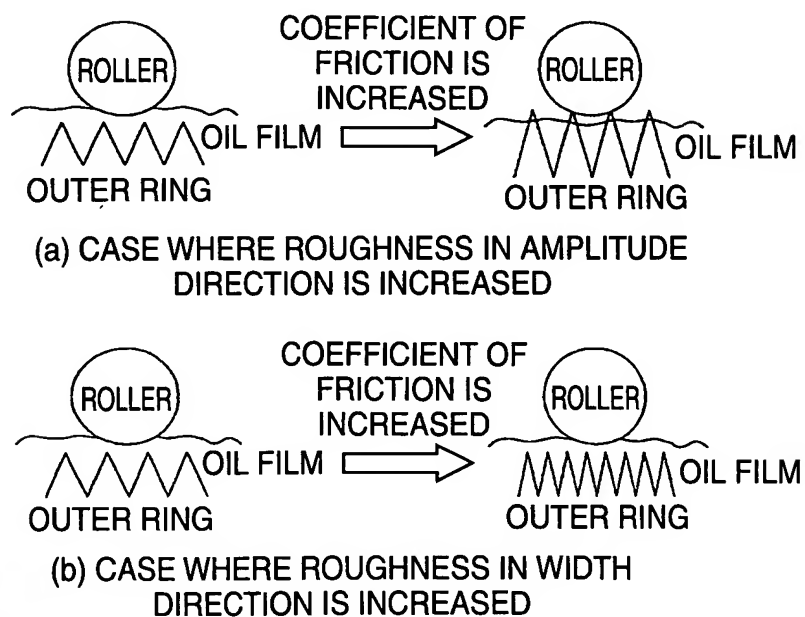
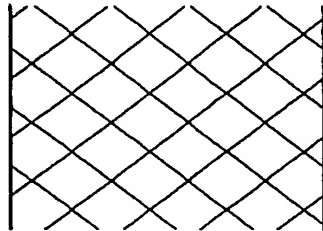


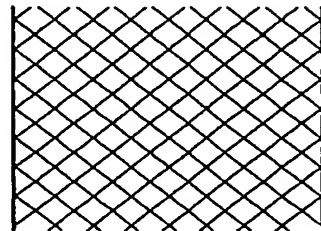


FIG. 10



(a) S LARGE

(COEFFICIENT OF FRICTION SMALL)



(b) S SMALL

(COEFFICIENT OF FRICTION LARGE)

FIG. 11

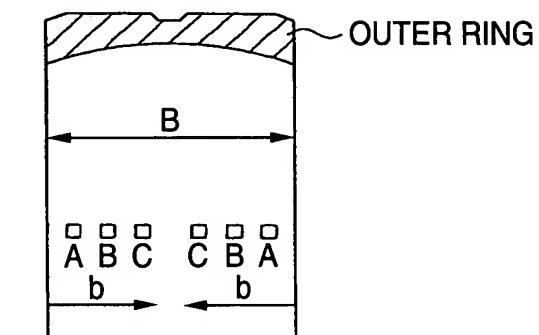
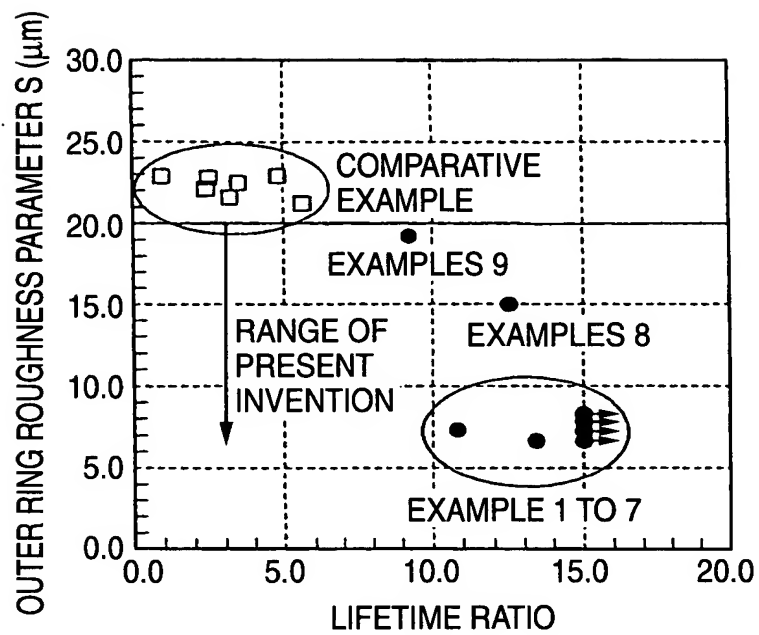




FIG. 12



●: EMBODIMENT
□: COMPARATIVE EXAMPLE



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FIG. 14

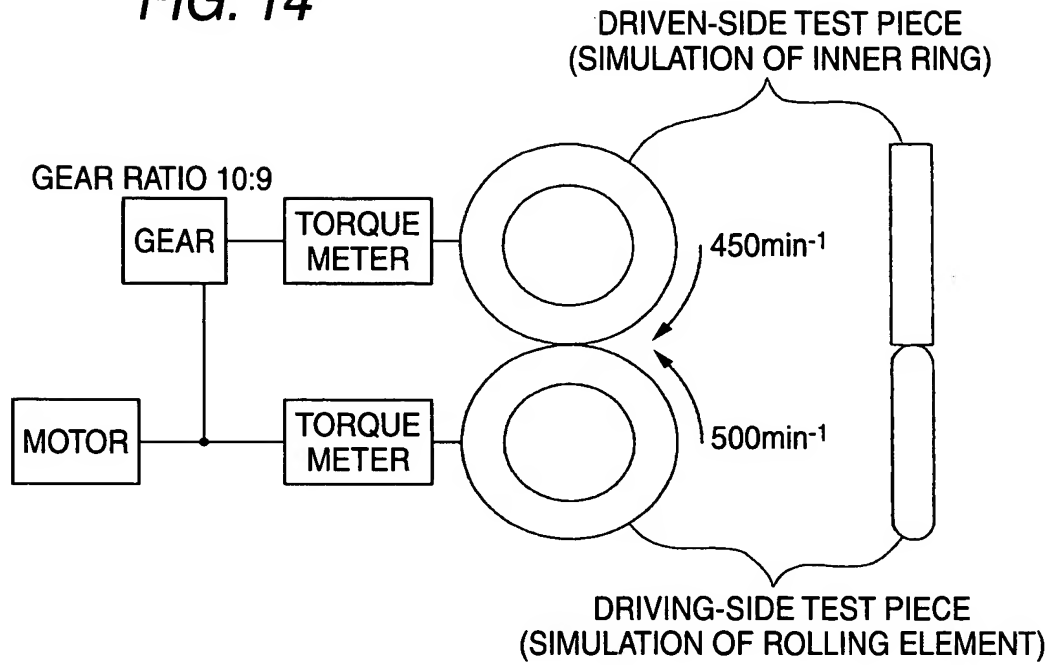


FIG. 15

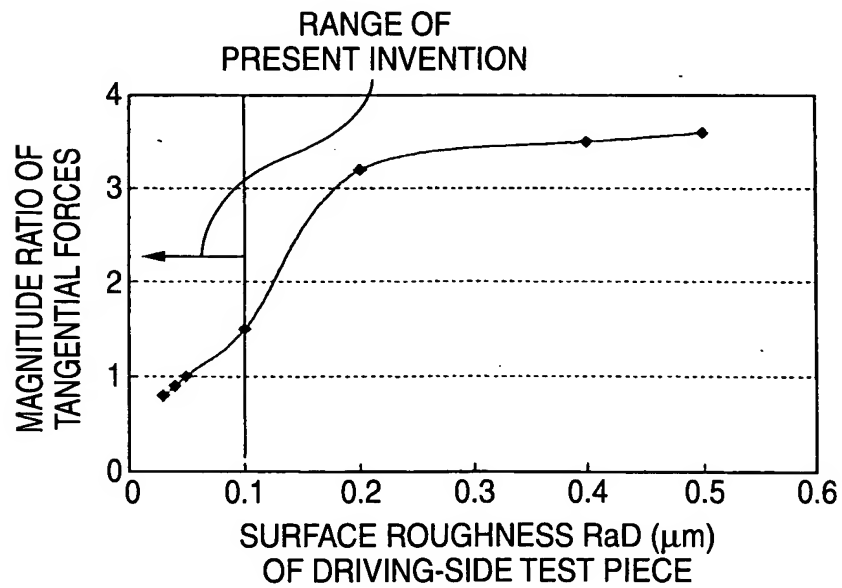




FIG. 16

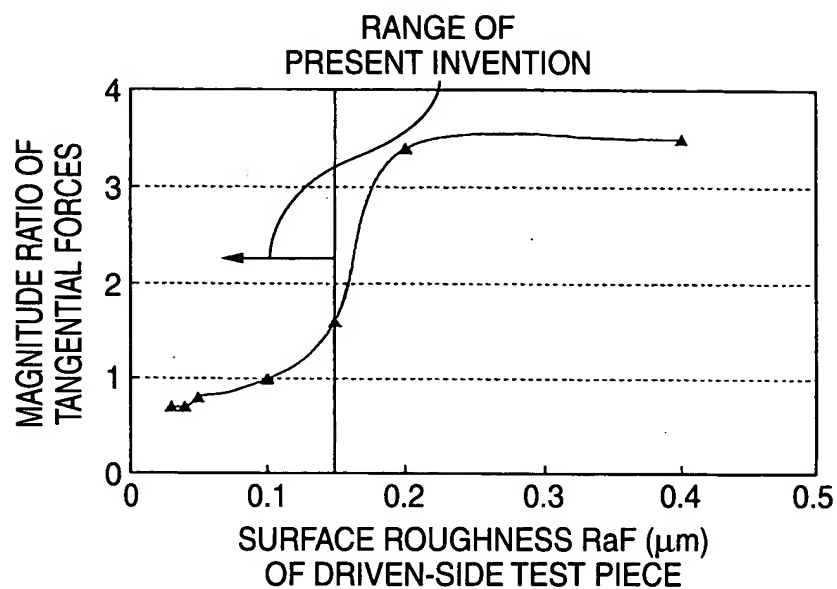


FIG. 17

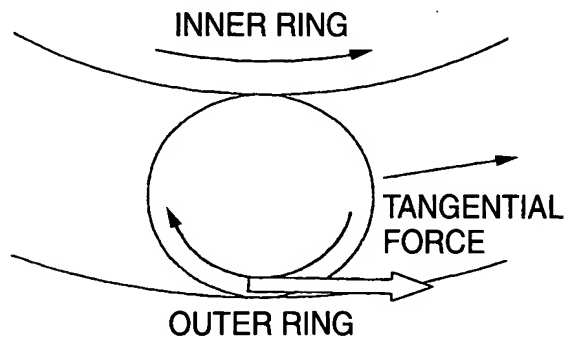




FIG. 18

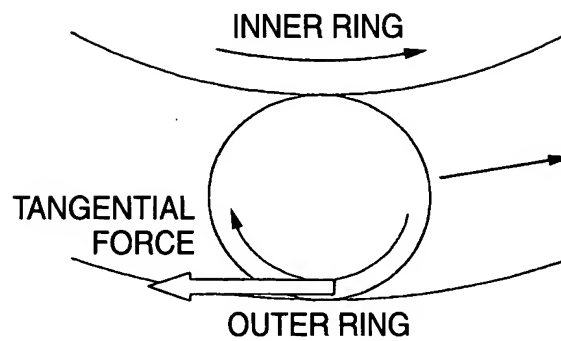


FIG. 19

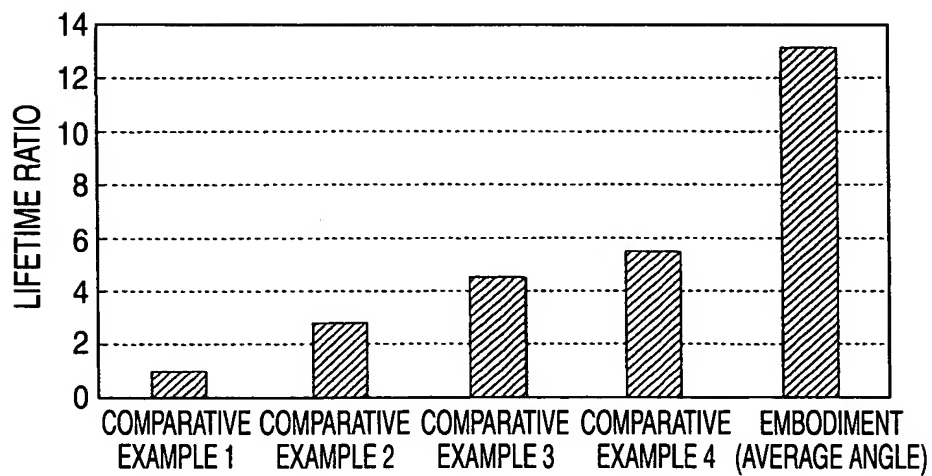
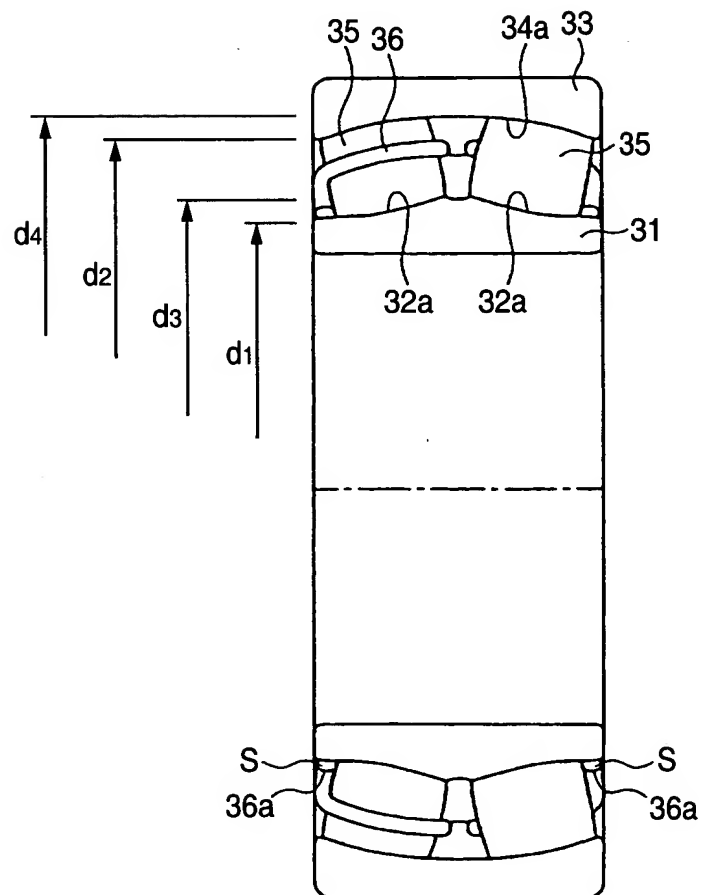




FIG. 20



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FIG. 21

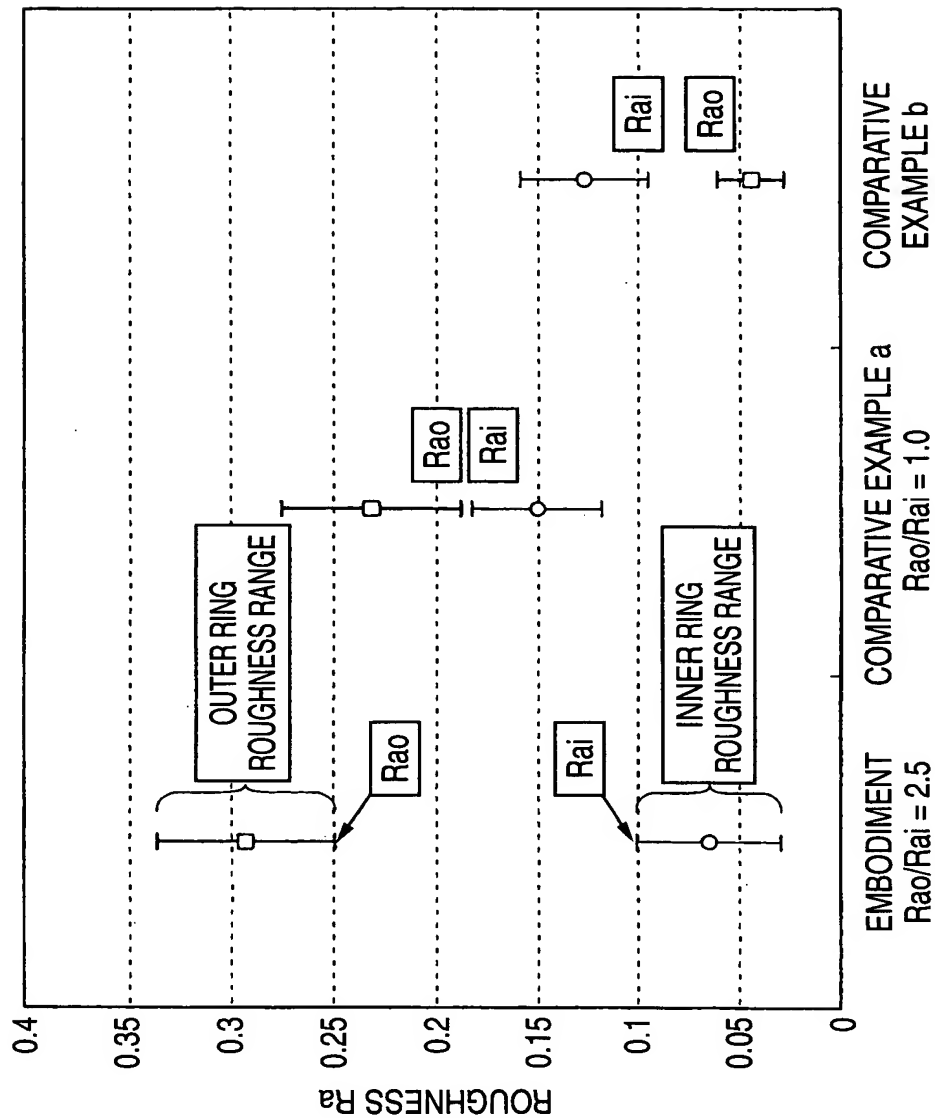




FIG. 22

